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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/670,119DATE: 12/10/96  
TIME: 16:41:25

INPUT SET: S14311.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: NG, GORDON Y K  
6 SEEMAN, PHILIP  
7 GEORGE, SUSAN R  
8 O'DOWD, BRIAN  
9  
10 (ii) TITLE OF INVENTION: RECEPTOR AND TRANSPORTER ANTAGONISTS  
11  
12 (iii) NUMBER OF SEQUENCES: 63  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: TESTA, HURWITZ & THIBEAULT, LLP  
16 (B) STREET: HIGH STREET TOWER, 125 HIGH STREET  
17 (C) CITY: BOSTON  
18 (D) STATE: MASSACHUSETTS  
19 (E) COUNTRY: USA  
20 (F) ZIP: 02110  
21  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
27  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER: US 08/670,119  
30 (B) FILING DATE: 25-JUN-1996  
31 (C) CLASSIFICATION:  
32  
33 (viii) ATTORNEY/AGENT INFORMATION:  
34 (A) NAME: TWOMEY, MICHAEL J  
35 (B) REGISTRATION NUMBER: 38,349  
36 (C) REFERENCE/DOCKET NUMBER: SIM-001 (7434/2)  
37  
38 (ix) TELECOMMUNICATION INFORMATION:  
39 (A) TELEPHONE: (617) 248-7000  
40 (B) TELEFAX: (517) 248-7100  
41  
42  
43 (2) INFORMATION FOR SEQ ID NO:1:  
44  
45 (i) SEQUENCE CHARACTERISTICS:  
46 (A) LENGTH: 23 amino acids

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47 (B) TYPE: amino acid  
48 (C) STRANDEDNESS: single  
49 (D) TOPOLOGY: linear  
50  
51 (ii) MOLECULE TYPE: peptide  
52  
53  
54  
55  
56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
57  
58 Ala Thr Leu Leu Thr Leu Leu Ile Ala Val Ile Val Phe Gly Asn Val  
59 1 5 10 15  
60  
61 Leu Val Cys Met Ala Val Ser  
62 20  
63  
64 (2) INFORMATION FOR SEQ ID NO:2:  
65  
66 (i) SEQUENCE CHARACTERISTICS:  
67 (A) LENGTH: 26 amino acids  
68 (B) TYPE: amino acid  
69 (C) STRANDEDNESS: single  
70 (D) TOPOLOGY: linear  
71  
72 (ii) MOLECULE TYPE: peptide  
73  
74  
75  
76  
77 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
78  
79 Leu Ile Val Ser Leu Ala Val Ala Asp Leu Leu Val Ala Thr Leu Val  
80 1 5 10 15  
81  
82 Met Pro Trp Val Val Tyr Leu Glu Val Val  
83 20 25  
84  
85 (2) INFORMATION FOR SEQ ID NO:3:  
86  
87 (i) SEQUENCE CHARACTERISTICS:  
88 (A) LENGTH: 22 amino acids  
89 (B) TYPE: amino acid  
90 (C) STRANDEDNESS: single  
91 (D) TOPOLOGY: linear  
92  
93 ~~(ii) MOLECULE TYPE: peptide~~  
94  
95  
96  
97  
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
99

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100 Ile Val Phe Thr Leu Asp Val Met Met Cys Thr Ala Ser Ile Leu Asn  
101 1 5 10 15  
102

103 Leu Cys Ala Ile Ser Ile  
104 20  
105

106 (2) INFORMATION FOR SEQ ID NO:4:  
107

108 (i) SEQUENCE CHARACTERISTICS:  
109 (A) LENGTH: 23 amino acids  
110 (B) TYPE: amino acid  
111 (C) STRANDEDNESS: single  
112 (D) TOPOLOGY: linear  
113

114 (ii) MOLECULE TYPE: peptide  
115

116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
117

118 Val Thr Val Met Ile Ser Ile Val Trp Val Leu Ser Phe Thr Ile Ser  
119 1 5 10 15  
120

121 Cys Pro Leu Leu Phe Gly Leu  
122 20  
123  
124

125 (2) INFORMATION FOR SEQ ID NO:5:  
126

127 (i) SEQUENCE CHARACTERISTICS:  
128 (A) LENGTH: 24 amino acids  
129 (B) TYPE: amino acid  
130 (C) STRANDEDNESS: single  
131 (D) TOPOLOGY: linear  
132

133 (ii) MOLECULE TYPE: peptide  
134  
135  
136  
137

138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
139

140 Pro Ala Phe Val Val Tyr Ser Ser Ile Val Ser Phe Tyr Val Pro Phe  
141 1 5 10 15  
142

143 Ile Val Thr Leu Leu Val Tyr Ile  
144 20  
145

146 (2) INFORMATION FOR SEQ ID NO:6:  
147

148 (i) SEQUENCE CHARACTERISTICS:  
149 (A) LENGTH: 23 amino acids  
150 (B) TYPE: amino acid  
151 (C) STRANDEDNESS: single  
152 (D) TOPOLOGY: linear

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153  
154 (ii) MOLECULE TYPE: peptide  
155  
156  
157  
158  
159 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
160  
161 Met Leu Ala Ile Val Leu Gly Val Phe Ile Ile Cys Trp Leu Pro Phe  
162 1 5 10 15  
163  
164 Phe Ile Thr His Ile Leu Asn  
165 20  
166  
167 (2) INFORMATION FOR SEQ ID NO:7:  
168  
169 (i) SEQUENCE CHARACTERISTICS:  
170 (A) LENGTH: 24 amino acids  
171 (B) TYPE: amino acid  
172 (C) STRANDEDNESS: single  
173 (D) TOPOLOGY: linear  
174  
175 (ii) MOLECULE TYPE: peptide  
176  
177  
178 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
179  
180 Val Leu Tyr Ser Ala Phe Thr Trp Leu Gly Tyr Val Asn Ser Ala Val  
181 1 5 10 15  
182  
183 Asn Pro Ile Ile Tyr Thr Thr Phe  
184 20  
185  
186 (2) INFORMATION FOR SEQ ID NO:8:  
187  
188 (i) SEQUENCE CHARACTERISTICS:  
189 (A) LENGTH: 443 amino acids  
190 (B) TYPE: amino acid  
191 (C) STRANDEDNESS: single  
192 (D) TOPOLOGY: linear  
193  
194 (ii) MOLECULE TYPE: protein  
195  
196 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
197  
198 Met Asp Pro Leu Asn Leu Ser Trp Tyr Asp Asp Asp Leu Glu Arg Gln  
199 1 5 10 15  
200  
201 Asn Trp Ser Arg Pro Phe Asn Gly Ser Asp Gly Lys Ala Asp Arg Pro  
202 20 25 30  
203  
204 His Tyr Asn Tyr Tyr Ala Thr Leu Leu Thr Leu Leu Ile Ala Val Ile  
205 35 40 45

# RAW SEQUENCE LISTING PATENT APPLICATION US/98/670,119

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206																			
207	Val	Phe	Gly	Asn	Val	Leu	Val	Cys	Met	Ala	Val	Ser	Arg	Glu	Lys	Ala			
208		50						55				60							
209																			
210	Leu	Gln	Thr	Thr	Thr	Asn	Tyr	Leu	Ile	Val	Ser	Leu	Ala	Val	Ala	Asp			
211	65					70					75					80			
212																			
213	Leu	Leu	Val	Ala	Thr	Leu	Val	Met	Pro	Trp	Val	Val	Tyr	Leu	Glu	Val			
214					85					90					95				
215																			
216	Val	Gly	Glu	Trp	Lys	Phe	Ser	Arg	Ile	His	Cys	Asp	Ile	Phe	Val	Thr			
217				100					105					110					
218																			
219	Leu	Asp	Val	Met	Met	Cys	Thr	Ala	Ser	Ile	Leu	Asn	Leu	Cys	Ala	Ile			
220			115					120					125						
221																			
222	Ser	Ile	Asp	Arg	Tyr	Thr	Ala	Val	Ala	Met	Pro	Met	Leu	Tyr	Asn	Thr			
223			130				135						140						
224																			
225	Arg	Tyr	Ser	Ser	Lys	Arg	Arg	Val	Thr	Val	Met	Ile	Ser	Ile	Val	Trp			
226	145					150					155					160			
227																			
228	Val	Leu	Ser	Phe	Thr	Ile	Ser	Cys	Pro	Leu	Leu	Phe	Gly	Leu	Asn	Asn			
229					165					170					175				
230																			
231	Ala	Asp	Gln	Asn	Glu	Cys	Ile	Ile	Ala	Asn	Pro	Ala	Phe	Val	Val	Tyr			
232				180					185					190					
233																			
234	Ser	Ser	Ile	Val	Ser	Phe	Tyr	Val	Pro	Phe	Ile	Val	Thr	Leu	Leu	Val			
235			195					200					205						
236																			
237	Tyr	Ile	Lys	Ile	Tyr	Ile	Val	Leu	Arg	Arg	Arg	Arg	Lys	Arg	Val	Asn			
238		210					215						220						
239																			
240	Thr	Lys	Arg	Ser	Ser	Arg	Ala	Phe	Arg	Ala	His	Leu	Arg	Ala	Pro	Leu			
241	225					230					235					240			
242																			
243	Lys	Gly	Asn	Cys	Thr	His	Pro	Glu	Asp	Met	Lys	Leu	Cys	Thr	Val	Ile			
244					245					250					255				
245																			
246	Met	Lys	Ser	Asn	Gly	Ser	Phe	Pro	Val	Asn	Arg	Arg	Arg	Val	Glu	Ala			
247				260					265					270					
248																			
249	Ala	Arg	Arg	Ala	Gln	Glu	Leu	Glu	Met	Glu	Met	Leu	Ser	Ser	Thr	Ser			
250			275					280					285						
251																			
252	<del>Pro</del>	<del>Pro</del>	<del>Glu</del>	<del>Arg</del>	<del>Thr</del>	<del>Arg</del>	<del>Tyr</del>	<del>Ser</del>	<del>Pro</del>	<del>Ile</del>	<del>Pro</del>	<del>Pro</del>	<del>Ser</del>	<del>His</del>	<del>His</del>	<del>Gln</del>			
253			290				295						300						
254																			
255	Leu	Thr	Leu	Pro	Asp	Pro	Ser	His	His	Gly	Leu	His	Ser	Thr	Pro	Asp			
256	305					310					315					320			
257																			
258	Ser	Pro	Ala	Lys	Pro	Glu	Lys	Asn	Gly	His	Ala	Lys	Asp	His	Pro	Lys			